

SECTION 5

TRANSMISSION INQUIRY EXHIBIT

AGENDA

- ▶ BCUC Introduction
- ▶ BCTC on Planning Context
- ▶ BC Hydro LTAP Summary
- ▶ Discussion
 - ▶ Electronic filing/Exhibits
 - ▶ Coordination of Evidence/Information
 - ▶ Timelines
 - ▶ First Nations Engagement
 - ▶ PACA
 - ▶ Other Issues



Who's Involved?

- ▶ Load serving utilities: BC Hydro and Fortis
- ▶ Transmission providers: BCTC and Fortis
- ▶ Interested persons:
 - ▶ First Nations,
 - ▶ communities, local governments,
 - ▶ other utilities,
 - ▶ power producers,
 - ▶ ratepayer groups
 - ▶ environmental NGOs



Inquiry Objective

- ▶ **Overall Objective:**

- ▶ To make determinations with respect to the need for and timing of additions to B.C.'s electricity transmission infrastructure and capacity needs for a 30 year period based on the inquiry's assessment of the future supply and delivery of electricity.
- ▶ Draft Report Circulated by June 30, 2010



Inquiry Objectives

▶ Sub-Objectives (Purpose)

- ▶ Identify areas that need new transmission to exploit new generation
- ▶ Identify areas of potential demand/growth that might be limited by inadequate transmission
- ▶ Identify the need for transmission reinforcements, especially where reinforcements might be common to several scenarios
- ▶ Identify transmission ROWs that could be precluded by population growth, land claims or other factors
- ▶ Because lead times for constructing transmission can exceed those for developing generation, ensure that necessary transmission is identified and sequenced in time to deliver power from selected new generation



Terms of Reference: determinations

- ▶ Need and timing of additional transmission to allow:
 - ▶ Supply and delivery of L-T electricity generation
 - ▶ Improved Intertie capacity between BC and US or AB
- ▶ The Commission ~~cannot~~ make determinations on:
 - ▶ Merits of specific generation projects
 - ▶ Specific routing or technical specifications of new transmission



Terms of Reference: assessments

- ▶ The Commission must assess:
 - ▶ 30 year generation resource development by region
 - ▶ In making its assessments and determinations the Commission must:
 - ▶ Take a L-T view of transmission development
 - ▶ Consider a number of government policy objectives and commitments
- ▶ And must have regard for:
 - ▶ Utilities L-T resource plans
 - ▶ Transmission providers L-T plans
 - ▶ Scenarios of energy and capacity requirements



Terms of Reference: Evidence

- ▶ The Commission must allow :
 - ▶ Load-serving utilities to provide evidence on:
 - ▶ Their 30-year electrical energy and capacity requirements
 - ▶ Facilities and energy purchases needed to meet the requirements
 - ▶ Most cost-effective and probable sequence of development by region
 - ▶ Evidence and submissions from Transmission Providers on any relevant matter
 - ▶ Scenarios of energy and capacity requirements



Key Issues (What do we need to know?)

- ▶ 30 year generation forecasts by sub-region
- ▶ 30 year demand forecasts
 - ▶ Domestic demand by sub-region
 - ▶ export demand
- ▶ Scenarios and modelling
- ▶ Protected areas
- ▶ Others?



Timeline (Staff discussion document)

- ▶ April PHC 1 re scheduling
- ▶ May/June PHC 2 re scoping of issues
- ▶ Sept Filing of Information on key issues (regional demand, exports, generation)
- ▶ Sept/Oct Workshops on issues
- ▶ October PHC 3 re scoping, scenarios, scheduling
- ▶ Oct/Nov Regional Hearings
- ▶ Nov/Dec Submissions by BCH, Fortis, BCTC and focused IRs
- ▶ December Submissions by other Participants
- ▶ January Hearing
- ▶ June Draft Inquiry Report

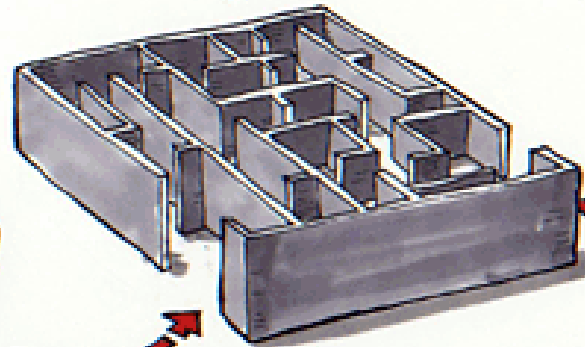


NZ ELECTRICITY SUPPLY EXPLAINED

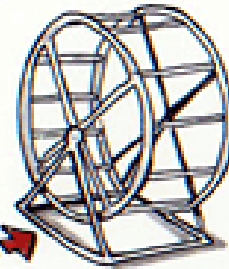
ENERGY
SOURCE



PLANNING
AND
MANAGEMENT



GENERATING
CAPACITY



BODY

